



MATERIAL SAFETY DATA SHEET

prepared 12/29/99

HAZARDS IDENTIFICATION

(ANSI Section 3)

Primary route(s) of exposure Inhalation, skin contact, eye contact, ingestion

Effects of overexposure

Inhalation Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, drowsiness, dizziness and/or lightheadedness, headache, nausea, coughing, central nervous system depression, kidney damage.

Skin contact Irritation of skin. Prolonged or repeated contact can cause dermatitis, defatting. Possible sensitization to skin.

Eye contact Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis.

Ingestion Ingestion may cause mouth and throat irritation, dizziness and/or lightheadedness, headache, vomiting, gastro-intestinal disturbances, severe abdominal pain, apathy, central nervous system depression, respiratory problems, intoxication, kidney damage, pulmonary edema, loss of consciousness, acute poisoning, respiratory failure, cardiac failure, brain damage.

Medical conditions aggravated by exposure Eye, skin, respiratory disorders lung disorders kidney disorders.

FIRST-AID MEASURES

(ANSI Section 4)

Inhalation Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort.

Skin contact Flush from skin with water. Then wash thoroughly with soap and water. Remove contaminated clothing. Wash contaminated clothing before re-use.

Eye contact Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion If swallowed, obtain medical treatment immediately.

FIRE-FIGHTING MEASURES

(ANSI Section 5)

Fire extinguishing media Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire. Easily ignited if allowed to dry. In closed tanks, water or foam may cause frothing or eruption.

Fire fighting procedures Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazardous decomposition or combustion products Carbon monoxide, carbon dioxide, monomer vapors, oxygen, styrene. Acrylic monomers.

ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

Steps to be taken in case material is released or spilled Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Spills may be collected with absorbent materials. Evacuate all unnecessary personnel. Place collected material in proper container. Small spills - use absorbent to pick up residue and dispose of properly.

HANDLING AND STORAGE

(ANSI Section 7)

Handling and storage Store below 100f (38c). Keep away from heat, sparks and open flame. Keep from freezing.

Other precautions Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use.

EXPOSURE CONTROLS/PERSONAL PROTECTION

(ANSI Section 8)

Respiratory protection Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

Ventilation Provide dilution ventilation or local exhaust to prevent build-up of vapors.

Personal protective equipment Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing.

STABILITY AND REACTIVITY

(ANSI Section 10)

Under normal conditions Stable see section 5 fire fighting measures.

Materials to avoid Oxidizers, acids.

Conditions to avoid Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame.

Hazardous polymerization Will not occur.

TOXICOLOGICAL INFORMATION

(ANSI Section 11)

Supplemental health information No additional effects are anticipated.

Carcinogenicity No carcinogenic effects are anticipated.

Reproductive effects No reproductive effects are anticipated.

Mutagenicity No mutagenic effects are anticipated.

Teratogenicity Some laboratory test results have shown ethylene glycol to be an animal teratogen.

ECOLOGICAL INFORMATION

(ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole.

DISPOSAL CONSIDERATIONS

(ANSI Section 13)

Waste disposal Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

REGULATORY INFORMATION

(ANSI Section 15)

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

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GL2416

ULTRA-HIDE EXTERIOR ACRYLIC SEMI-GLOSS

Physical Data

(ANSI Sections 1, 9, and 14)

Product Code	Description	Wt / Gal	VOC gr. / ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMS	DOT, proper shipping name
GL2416-0100	glidden ultra-hide durus acrylic exterior semi-gloss, white	10.34	80.91	59.20	none	212-212	*210	paint
GL2416-0110	glidden ultra-hide durus acrylic exterior semi-gloss-white tint base	10.40	89.45	59.27	none	212-212	*210	paint
GL2416-0300	glidden ultra-hide durus acrylic exterior semi-gloss, intermediate tint base	9.36	240.65	59.65	none	212-477	*210	paint ** protect from freezing **
GL2416-0400	glidden ultra-hide durus acrylic exterior semi-gloss, deep tint base	8.77	244.23	72.12	none	212-477	*210	paint ** protect from freezing **

Ingredients

Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS No	GL2416-0100	GL2416-0110	GL2416-0300	GL2416-0400
1,2-ethanediol	ethylene glycol	107-21-1	1-5	1-5	5-10	5-10
kaolin	clay	1332-58-7	1-5	1-5		
titanium oxide	titanium dioxide	13463-67-7	10-20	10-20	5-10	1-5
2-propenoic acid, butyl ester, polymer with ethyl vinyl acetate	vinyl acrylic latex	25067-01-0	5-10	5-10		
propanoic acid, 2-methyl-, monomethyl ester with 2,2,4-trimethyl-1,3-pentanediol	lexanol	25265-77-4			1-5	1-5
water	water	7732-18-5	40-50	40-50	50-60	60-70
acrylic resin	acrylic resin	Sup. Conf.	10-20	10-20	20-30	20-30

Chemical Hazard Data

(ANSI Sections 2, 8, 11, and 15)

Common Name	CAS. No.	ACGIH-TLV				OSHA-PEL				S R Std.	S2	S3	CC	H	M	N	I	O
		8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	C	S									
ethylene glycol	107-21-1	not est.	not est.	100 mg/m3	not est.	not est.	not est.	not est.	not est.	not est.	n	y	y	y	n	n	n	n
clay	1332-58-7	2 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
titanium dioxide	13463-67-7	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
vinyl acrylic latex	25067-01-0	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
lexanol	25265-77-4	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

Footnotes

C= Ceiling - Concentration that should not be exceeded even instantaneously

S= Skin - Additional exposure, over and above airborne exposure, may result from skin absorption

n/a= not applicable
not est= not established
CC= CERCLA Chemical

ppm= parts per million
mg/m3= milligrams per cubic meter
Sup. Conf.= Supplier Confidential

S2= Sara Section 302 EHS
S3= Sara Section 313 Chemical
S R Std.= Supplier Recommended Standard

H= Hazardous Air Pollutant M= Marine Pollutant
P= Pollutant S= Severe Pollutant
Carcinogenicity Listed By
N= NTP I= IARC O= OSHA y= yes n= no